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(71)Applicant : NISSHIN FLOUR MILLING CO
LTD

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(72)Inventor : MATSUDA YOSHIHISA
TERAOKA REIKO
TANAKA YUKIO
ABE HISATO

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(54) STABILIZED OIL-SOLUBLE VITAMIN-CONTAINING COMPOSITION

(57)Abstract:

PURPOSE: To obtain a stabilized oil-soluble vitamin-containing composition useful as a drug, animal drug, feed additive, nutrition auxiliary, etc., containing a carotenoid.

CONSTITUTION: An oil-soluble vitamin such as vitamin K, vitamin A, coenzyme Q or vitamin D and a carotenoid (e.g. β -carotene) are dissolved in an oil component such as colza oil or an organic solvent such as n-hexane and uniformly blended. Further the solution is optionally mixed with well-known additives (e.g. extender, coloring matter, sweetener and spice) in terms of preparation and pharmaceutically manufactured by a conventional procedure to give the aimed substance. The amount of the carotenoid added is ≤ 0.01 wt.% based on the oil-soluble vitamin to the limit of solubility of the prepared composition of carotenoid. The aimed substance can be pharmaceutically manufactured into injection, syrup, tablet, granule, ointment, cream, capsule, etc.

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